

IN THE CLAIMS

1. (currently amended) A hollow pipe made of several different materials by continuous extrusion, wherein the innermost layer is a hollow plastic layer, outside of which there is an inner continuous-electrode layer, outside of which there is an electrically insulating layer, outside of which there is an outer continuous-electrode layer, the electrically insulating layer electrically separating the continuous-electrode layers from each other.
2. (currently amended) A pipe according to claim 1 for conducting gas indoors, wherein the continuous-electrode layers are connected electrically in such a way that the perforation of the continuous-electrode layers brings about an alarm.
3. (currently amended) A pipe according to claim 1, wherein the continuous-electrode layers are connected electrically in such way that a strain resulting from the loading of the pipe produces a warning signal.
4. (currently amended) In a pipe according to claim 1, wherein the pipe is used as a ventilation or a soil and waste pipe, the improvements comprising noise detecting means and counter-wave producing means, wherein the continuous-electrode layers are connected electrically in such a way that the outer surface of the pipe reproduces continuous-electrode layer produces a sound which that is opposite to the a signal measured from the inside of the pipe so that the a counter-wave produced in the outer continuous-electrode layer muffles noise occurring inside the pipe.

5. (currently amended) In a hollow pipe, the improvements comprising ~~an a hollow~~ innermost layer, outside of which there is an inner continuous-electrode layer, outside of which there is an electrically insulating layer, outside of which there is an outer continuous-electrode layer, wherein the innermost layer is plastic of continuous extrusion, ~~and the~~ electrically insulating layer is foamed plastic, ~~and the~~ electrically insulating layer electrically separates the continuous-electrode layers from each other.

6. (previously presented) A pipe according to claim 5, wherein the foamed plastic contains holes.

7. (previously presented) A pipe according to claim 5, wherein cells of the foamed plastic comprise a filler.

8. (previously presented) A pipe according to claim 6, wherein cells of the foamed plastic comprise a filler.

9. (currently amended) A pipe according to claim 5, wherein the continuous-electrode layers are connected electrically in such a way that a perforation of the continuous-electrode layers makes a short circuit.

10. (currently amended) A pipe according to claim 5, wherein the continuous-electrode layers are connected electrically in such a way that a strain from loading of ~~at least one of the layers~~ pipe changes a potential difference between the continuous-electrode layers.

11. (currently amended) A pipe according to claim 5, wherein the inner continuous-electrode layer, the electrically insulating layer and the outer continuous-electrode layer are formed simultaneously by continuous extrusion.

12. (previously presented) A pipe according to claim 11, wherein the foamed plastic contains holes.

13. (previously presented) A pipe according to claim 11, wherein cells of the foamed plastic comprise a filler.

14. (previously presented) A pipe according to claim 12, wherein cells of the foamed plastic comprise a filler.

15. (currently amended) A pipe according to claim 11, wherein the continuous-electrode layers are connected electrically in such a way that a perforation of the continuous-electrode layers makes a short circuit.

16. (currently amended) A pipe according to claim 11, wherein the continuous-electrode layers are connected electrically in such a way that a strain from loading of at least one of the layers changes a potential difference between the continuous-electrode layers.